
Appendix B

Sample Data Sheet

1-hr TSP Air Quality Monitoring

Field Operation Data Log Sheet

Equipment	Model	Equipment No.	Last Calibration/Due Date
			/

Monitoring Location				
Description of Location				
Sampling Date and Time				
Weather Condition		Sunny / Fine / Cloudy / Windy / Rainy		
Measuring Parameters		TSP		
		1st hour	2nd hour	3rd hour
Count Value				
Count Value ÷ 60 mins x (K Factor:)				
Mass Concentration ($\mu\text{g}/\text{m}^3$)				
Site Condition	Main Construction Site			
	Other Construction Site			
Remarks				

	Name	Signature	Date
Recorded By			
Checked By			

1-hr TSP Air Quality Monitoring Field Operation Data Log Sheet

Station: _____

Sampling Date & Time: From: _____ (: am/pm) Collection Date: _____

Operators: _____ Weather: Sunny Cloudy Windy Rainy
Wind: Strong Mild Calm

High Volume Sampler	Model no.	
	Blower Motor Serial no.	

TSP - Total Suspended Particulates Sampler			
Equipment No.		Set Point	
Slope, m		Intercept. b	
	Initial, I		Final, f
Ambient Pressure (mmHg), Pa			
Ambient Temperature (K), Ta			
Delta (in. of Water), W			
$Y = [W \times (Pa/760) \times (298/Ta)]^{1/2}$			
Standard flow, Qstd (m ³ /min) = (Y - b)*0.0283/m			
Elapsed Timer Indicator (Hours), T			
Filter Identification no.			
Weight of Filter (g)			
Weight of Particulate (g)			
Mean Standard Flow, $Qstd_{avg} = (Qstd_i + Qstd_f)/2$			
Total Time, $Total Time = (Tf - Ti) \times 60$			
Standard Volume, $Vstd (m^3) = Qstd_{avg} \times Total Time$			
Particulate Concentration (µg/m³)			
Observed Construction Activities	Main Construction Site		
	Other Construction Site		

Remarks: _____

Conducted by: _____ Signature: _____ Date: _____

Checked by: _____ Signature: _____ Date: _____

Noise Monitoring

Field Record Sheet

Equipment	Model	Equipment No.	Last Calibration/Due Date
			/
			/

Noise Monitoring Period	Before Measurement			After Measurement		
	Noise Level (dB)	Freq. of Signal (KHz)	Display (dB)	Noise Level (dB)	Freq. of Signal (KHz)	Display (dB)
07:00 – 19:00						

Monitoring Location					
Description of Location					
Date of Monitoring					
Weather Condition		Sunny / Cloudy / Rainy			
Measurement Start Time (hh:mm)					
Measurement Time Length (min/hr)					
Measurement Results	Parameter	Measured	Baseline	Actual Construction Noise Level	
	L _{eq} dB(A)				
	L ₁₀ dB(A)				
	L ₉₀ dB(A)				
Major Construction Noise Source(s) During Measurement		Excavator / backhoe		Bulldozer	
		Dump truck / lorry		Roller	
		Other, pls specify:			
Other Noise Source(s) During Measurement		Road traffic noise		Air traffic noise	
		Construction noise from other sites (e.g. piling) pls specify:			
Remarks		Façade Measurement / Free Field Measurement			

Note:

During daytime (0700-1900): 1 no. of L_{eq}(30-min)

	Name	Signature	Date
Recorded By			
Checked By			

Remarks: Monitoring should be cancelled if steady wind speed exceeds 5m/s or with gusts exceeding 10m/s

